

## CLAIMS

What is claimed is:

1. A composition comprising a mixture of components, wherein said components comprise:  
eicosane/eicosanoids  
docasane/docosanoids  
tetracosane/tetracosanoids  
nonacosane  
9-octyl-heptadecane  
pentatriacontane  
hexatriacontane  
19-norpregn-4-ene-3,20-dione  
urs-12-en-28-ol  
1-tetradecanamine  
4,4-dimethylcholestan-3-ol  
nonadecenes  
nonadecanes  
1,3-diethyl urea  
androst-8-en-11-one  
3-benzoquinolinedione  
asparagine  
urethane  
pentacosane/pentacosanoids  
hexacosane/hexacosanoids  
heneicosane/heneicosanoids  
tricosane  
octacosane  
1-hexadecene  
1,3-dimethyl-8-purin-2,6-dione  
imidazoloids  
morphinanones  
docosenes  
heneicosenes  
epinephrine  
traicontane  
quinoline  
pyrazine  
pregnadiene  
4,4-diemthylandrost-5-en-3.beta.ol or  
nortriptyline  
or any combination thereof.
2. The composition of claim 1, wherein the composition is produced from intestinal and testicular tissue of the male blue crab, *Callinectes sapidus*.
3. The composition of claim 1, combined with a material that allows for slow release of the composition into an aqueous solution over time.

4. A method of attracting female blue crabs to a trap, comprising introducing into said trap an amount of the composition of claim 1 effective in attracting female blue crabs into the trap.